PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2002P12689WO	FOR FURTHER ACT	ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. PCT/DE2003/002271	International filing date (07 July 2003 (0		Priority date (day/month/year) 07 August 2002 (07.08.2002)		
International Patent Classification (IPC) or national classification and IPC G01C 21/36					
Applicant	SIEMENS AKTIENG	ESELLSCHAF	Т		
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. This REPORT consists of a total of5 sheets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of4 sheets. 					
3. This report contains indications relating to the following items: I Basis of the report II Priority III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV Lack of unity of invention V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI Certain documents cited VII Certain defects in the international application VIII Certain observations on the international application					
Date of submission of the demand 27 February 2004 (27.02.2004)		Date of completion of this report 29 September 2004 (29.09.2004)			
Name and mailing address of the IPEA/EP Facsimile No.		uthorized officer			

Translation



International application No.
PCT/DE2003/0022

	I. Basis of the report					
1.	1. With regard to the elements of the international application:*					
[the international application as originally filed				
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	the Th	e inte	ernation element the land the land the land or 55.3	· ·	guage which arch (under Rule 23.1(b)). (3(b)). All preliminary examination (under Rule 55.2 architecture).	is: nd/
3	. W	elim	inary e	to any nucleotide and/or amino acid sequence disclosed in examination was carried out on the basis of the sequence listing:	the international application, the internation	1.41
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1	F	=		ogether with the international application in computer readable form hed subsequently to this Authority in written form.	.	
	누			hed subsequently to this Authority in written form.		
			The s	statement that the subsequently furnished written sequence lis ational application as filed has been furnished.	ing does not go beyond the disclosure in	the
			The s	statement that the information recorded in computer readable for furnished.	m is identical to the written sequence listing	has
	4. Г	\neg	The	mendments have resulted in the cancellation of:		
١	·· L			the description, pages1		
			図	the claims, Nos. 1-10		
			H	the drawings, sheets/fig		
	5. [This r	eport has been established as if (some of) the amendments had no d the disclosure as filed, as indicated in the Supplemental Box (Rul	been made, since they have been considered to 70.2(c)).**	o go
	ir a	n thi ind 7	cemen is repo 10.17).	t sheets which have been furnished to the receiving Office in respont as "originally filed" and are not annexed to this report si	nse to an invitation under Article 14 are referre nce they do not contain amendments (Rule 7	ed to 0.16
	** A	lny r	eplace	ment sheet containing such amendments must be referred to under t	tem 1 and annexea to this report.	

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I tional	application No.
PCT/DE	03/02271

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement			
Novelty (N)	Claims	1-5	YES
	Claims		NO
Inventive step (IS)	Claims	1-5	YES
	Claims		NO NO
Industrial applicability (IA)	Claims	1-5	YES
	Claims		NO

2. Citations and explanations

Reference is made to the following document:

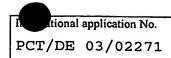
D1: US 2002/055808 A1 (MATSUMOTO SHINJI) 9 May 2002 (2002-05-09)

1. Document D1 is considered the prior art closest to the subject matter of claim 1 and discloses (the references between parentheses refer to that document):

a method for displaying navigational information for a vehicle, in which method the navigational information is displayed in the form of a virtual pilot vehicle using an image of the vehicle environment (paragraph 36 and figure 4) and in which a virtual pilot vehicle is positioned on the image of the road such that it appears to travel in front of the driver at a reference distance dependent on speed (paragraph 42 and figure 6).

The subject matter of claim 1 thus differs from the known method in that driving too close to another vehicle is indicated by an actual vehicle being located in the image between the driver and the virtual vehicle.

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The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The present invention can thus be considered to address the problem of indicating in an intuitive and easily understandable manner if a vehicle is driving too close to another vehicle at a given speed.

The solution to this problem proposed in claim 1 of the present application involves an inventive step (PCT Article 33(3)) for the following reasons:

A representation in which it is indicated whether a vehicle is driving too close to another vehicle by means of a pilot vehicle displayed at the requisite minimum distance from the driver is neither known nor obvious.

Claims 2 to 4 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.

- 2. Claim 5 describes a device for displaying navigational information which is configured so as to carry out the steps indicated in claim 1. Consequently, claim 5 likewise meets the PCT requirements for novelty and inventive step.
- 3. Claims 1 to 5 are considered industrially applicable in the field of vehicle navigation systems.